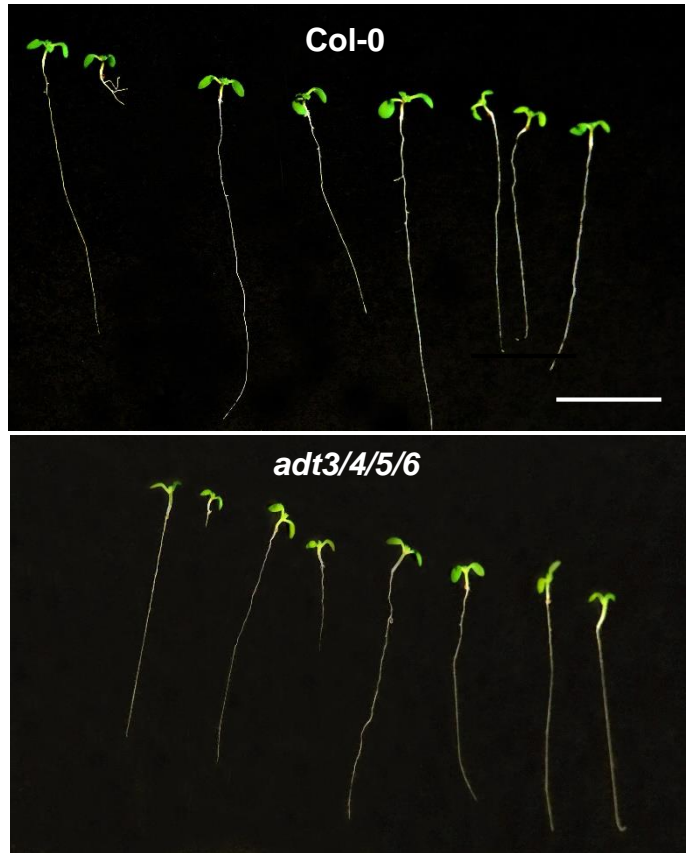
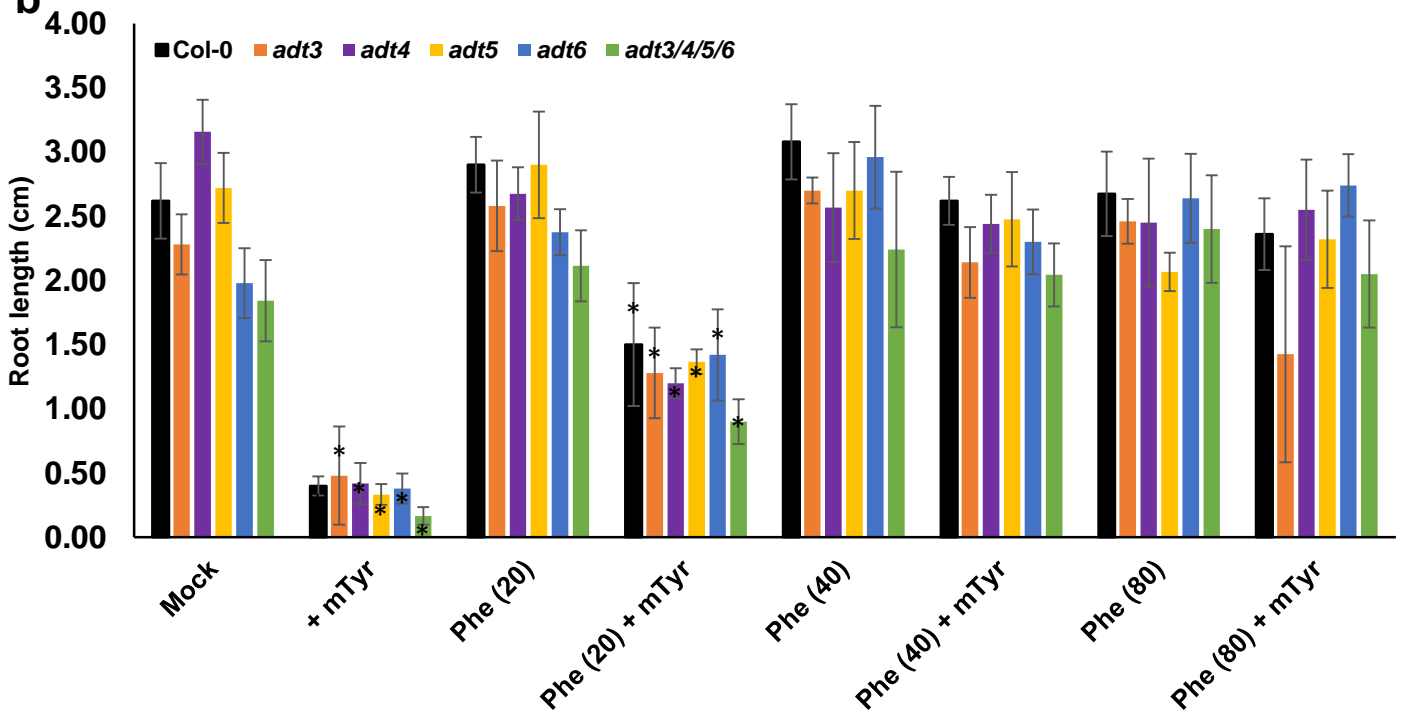


a

Phe (μM) **0** **20** **40** **80**
m-Tyr ($10\ \mu\text{M}$) - + - + - + - +

b

Supplemental Figure S2. The effect of phenylalanine on root growth of *Arabidopsis thaliana* wild-type (Col-0) and *adt3456* mutants grown in the absence or presence of *m*-tyrosine.
 (A) 5-day-old *Arabidopsis* seeds (wild type and *adt3/4/5/6* mutant) were germinated in MS-agar plates in the absence (Mock) or presence of different Phe concentrations (20 -80 μM) and *m*-tyrosine (10 μM). (B) Measurements of the root lengths in 5-day-old *Arabidopsis* seedlings. Bar in panel A represents 1.0 cm. The values are means of three biological replicates with about 25 seedlings in each treatment. Error bars indicate one standard deviation. Asterisk in panel B indicates a significant difference from control (Student's T-test, $P \leq 0.05$).